Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/03/2018 11:31 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124056	-1	2.39	124080	2.42
Blue	F	SSC	125000	123809	-1	3.95	124577	3.98
Blue	E	FITC	15492	15048	-3	3.99	350	21.45
Blue	D	PE	28736	28088	-3	3.28	618	15.72
Blue	B	PerCP-Cy5-5	41413	41069	-1	4.73	1129	22.88
Blue	A	PE-Cy7	31321	31391	0	7.25	567	46.70
Red	C	APC	41673	40943	-2	3.01	1587	13.56
Red	A	APC-Cy7	29962	29692	-1	2.93	746	13.70
Violet	B	V450	8318	7839	-6	4.54	436	14.56
Violet	A	V500	34199	33436	-3	4.28	807	10.97

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20116	3.97	605	-8	N/A	N/A	Pass
Blue	F	SSC	56046	3.50	573	5	N/A	N/A	Pass
Blue	E	FITC	58	72.23	555	-6	0.0166	154	Pass
Blue	D	PE	123	57.16	554	-6	0.1614	373	Pass
Blue	B	PerCP-Cy5-5	208	55.07	660	-7	0.0074	37	Pass
Blue	A	PE-Cy7	110	118.21	715	-7	0.0096	29	Pass
Red	C	APC	364	28.08	600	-1	0.0181	51	Pass
Red	A	APC-Cy7	186	30.81	575	-1	0.0049	1141	Pass
Violet	B	V450	65	66.46	471	-6	0.0387	1751	Pass
Violet	A	V500	115	37.79	490	-4	0.0213	1068	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.72	-32.44	1.13
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	18.35	13.60 - 20.40	N/A	N/A	29.82	30.05	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9856

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments